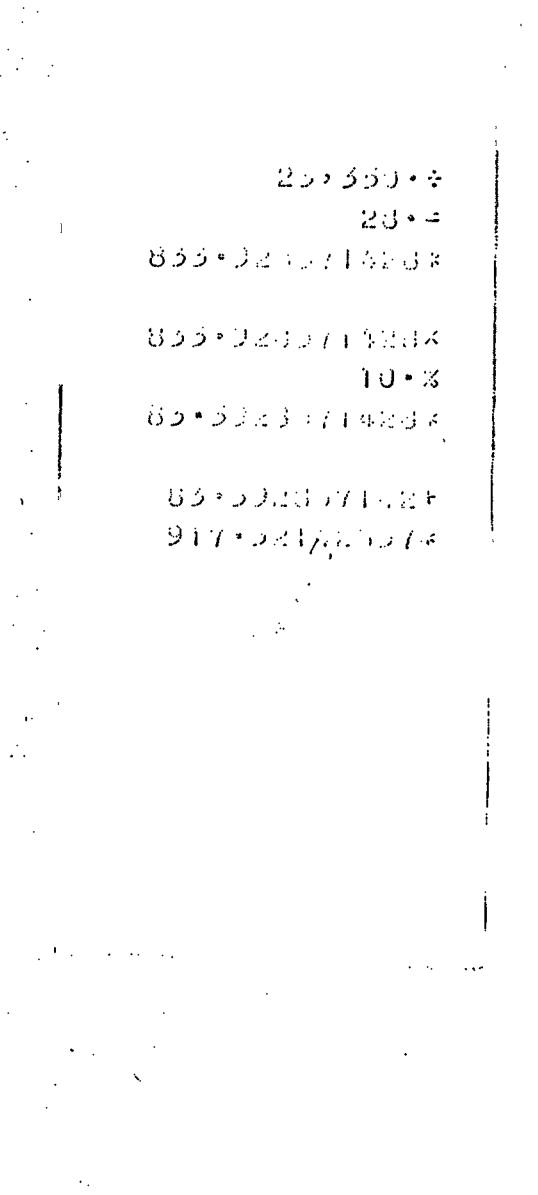


ANGLE

PRETREATMENT MONITORING REPORT

NAME: City of Clifton, DPW Facility

MAILING ADDRESS: 900 Clifton Avenue, Clifton, New Jersey 07013

FACILITY LOCATION: DPW Facility, East 7th Street

RECEIVED MAR 23 2009 INDUSTRIAL DEPARTMENT

CATEGORY & SUBPART: OUTLET #: 001

CONTACT OFFICIAL: James Yellen, P.E. TELEPHONE: 973-470-6793

NEW CUSTOMER ID / OUTLET ID: 03630001-1 OLD OUTLET DESIGNATION:

MONITORING PERIOD

Start			End		
02	01	2009	02	28	2009
MO	DAY	YR	MO	DAY	YR

	Average	Maximum
Regulated Flow-gal/day		
Total Flow-gal/day	~~730~~ 834 ~~825~~	~~730~~ 917

Method Used: Totalizing flow meter readings / ~~32~~ 28 working days.

Average = 23,350 gallons in ~~32~~ 28 working days = 730 gal/day

Production Rate (if applicable)

PARAMETER		MASS OR CONCENTRATION			# OF	SAMPLE TYPE
		MON AVG	MAXIMUM	UNITS	SAMPLES	COMP/GRAB
Cd	Sample Measurement	< 0.003	<0.003	Mg/l	1	Comp
	Permit Requirement	0.19		Mg/l		
Cu	Sample Measurement	< 0.010	< 0.010	Mg/l	1	Comp
	Permit Requirement	3.02		Mg/l		
Pb	Sample Measurement	< 0.003	< 0.003	Mg/l	1	Comp
	Permit Requirement	0.54		Mg/l		
Hg	Sample Measurement	< 0.0002	< 0.0002	Mg/l	1	Comp
	Permit Requirement	0.080		Mg/l		
Ni	Sample Measurement	< 0.010	< 0.010	Mg/l	1	Comp
	Permit Requirement	5.9		Mg/l		
Zn	Sample Measurement	< 0.020	< 0.020	Mg/l	1	Comp
	Permit Requirement	1.67		Mg/l		
SGT-HEM	Sample Measurement	< 5.1	< 5.1	Mg/l	1	Grab
	Permit Requirement	100		Mg/l		
TVOC	Sample Measurement	0.020	0.020	Mg/l	1	Grab
	Permit Requirement					
BOD	Sample Measurement	2.6	2.6	Mg/l	1	Comp
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					

APR 2009 2nd Input Industrial Dept

APR 2009 1st Input Industrial Dept.

PVSC FORM MR-I REV: 4 6/87 P I

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): N/A

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every parameter used: The City of Clifton is in compliance with the PVSC permit limitations.

Explain Method for preserving samples: Samples collected for TVOC and SGT-HEM (Non-Polar Material) analyses were preserved with HCl and chilled to 4° C. Samples collected for metals analyses were preserved with HNO_3 and chilled to 4° C. The BOD sample was chilled to 4° C.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988

Thomas DeMichele

Signature of Principal

Executive or Authorized Agent

Thomas DeMichele

Project Supervisor/ N-2 Operator

Type Name and Title

3/20/09

Date

PVSC FORM MR-I REV: 5 3/91 P2

Accutest LabLink@491834 08:27 16-Mar-2009

Report of Analysis

Client Sample ID:	EFF0209		
Lab Sample ID:	JA12476-1	**Date Sampled:**	02/19/09
Matrix:	AQ - Effluent	**Date Received:**	02/19/09
		Percent Solids:	n/a
Project:	City of Clifton, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.6	2.0	mg/l	1	02/20/09 14:30	MJC	SM20 5210B
HEM Petroleum Hydrocarbons	< 5.1	5.1	mg/l	1	03/04/09	JOO	EPA 1664A

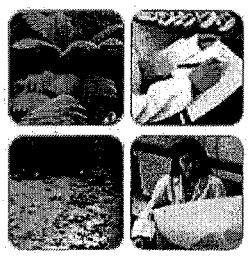
RL = Reporting Limit

e-Hardcopy 2.0
Automated Report

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

03/16/09



Technical Report for

Matrix New World Engineering, Inc.

City of Clifton, NJ

08-404E-4

Accutest Job Number: JA12476

Sampling Date: 02/19/09

Report to:

Matrix Environmental Technologies

jparry@matrixneworld.com

ATTN: John Parry

Total number of pages in report: 13

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
To obtain a version that can be unlocked, contact your client service representative.

Sections: 1 2 3 4

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-1-

Accutest LabLink@491834 08:27 16-Mar-2009

Sample Summary

Matrix New World Engineering, Inc.

Job No: JA12476

City of Clifton, NJ
Project No: 08-404E-4

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA12476-1	02/19/09	15:30	JRP	02/19/09	AQ	Effluent	EFF0209

ACCUTEST Laboratories

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Matrix New World Engineering, Inc.	**Job No**	JA12476
Site:	City of Clifton, NJ	**Report Date**	3/13/2009 3:04:50 PM

On 02/19/2009, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 2.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA12476 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method EPA 624

Matrix: AQ **Batch ID:** VT5046

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12610-3MS, JA12610-3MSMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acrolein are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample JA12610-3MSD. Probable cause due to sample homogeneity.

Metals By Method EPA 200.7

Matrix: AQ **Batch ID:** MP47300

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12431-8MS, JA12431-8MSD, JA12431-8SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Copper, Nickel, Zinc are outside control limits for sample MP47300-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method EPA 245.1

Matrix: AQ **Batch ID:** MP47433

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13408-7AMS, JA13408-7AMSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 1664A

Matrix: AQ **Batch ID:** GP48113

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12417-1MS, JA12476-1DUP were used as the QC samples for HEM Petroleum Hydrocarbons.

Wet Chemistry By Method SM20 5210B

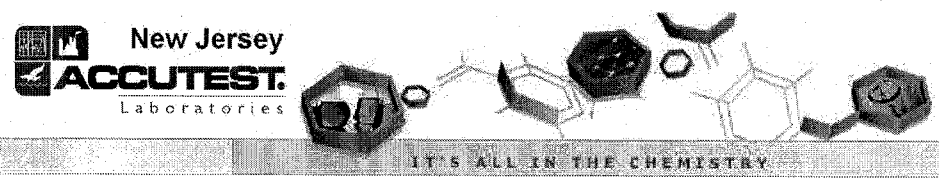
Matrix: AQ	Batch ID: GP47978

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12480-1DUP were used as the QC samples for BOD, 5 Day.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Accutest LabLink@491834 08:27 16-Mar-2009

Report of Analysis

Client Sample ID:	EFF0209		
Lab Sample ID:	JA12476-1	Date Sampled:	02/19/09
Matrix:	AQ - Effluent	Date Received:	02/19/09
Method:	EPA 624	Percent Solids:	n/a
Project:	City of Clifton, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T130224.D	1	02/26/09	YCB	n/a	n/a	VT5046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.0	ug/l	
107-13-1	Acrylonitrile	ND	10	0.85	ug/l	
542-88-1	Bis(chloromethyl)ether	IND			ug/l	
71-43-2	Benzene	4.7	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND	1.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	8.4	1.0	0.13	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	0.21	1.0	0.094	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.17	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.17	ug/l	
95-50-1	1,2-Dichlorobenzene	0.21	1.0	0.14	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	1.1	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.91	ug/l	
75-34-3	1,1-Dichloroethane	0.20	1.0	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	1.3	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.17	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.84	1.0	0.15	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	55	ug/l	
100-41-4	Ethylbenzene	0.30	1.0	0.23	ug/l	J
151-56-4	Ethylenimine	IND			ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@491834 08:27 16-Mar-2009

Report of Analysis

Client Sample ID:	EFF0209		
Lab Sample ID:	JA12476-1	**Date Sampled:**	02/19/09
Matrix:	AQ - Effluent	**Date Received:**	02/19/09
Method:	EPA 624	**Percent Solids:**	n/a
Project:	City of Clifton, NJ		

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	1.0	0.58	ug/l	
108-88-3	Toluene	0.34	1.0	0.20	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.15	ug/l	
79-01-6	Trichloroethene	0.78	1.0	0.45	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.44	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/l	
1330-20-7	Xylenes (total)	2.2	1.0	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	107%		62-139%
2037-26-5	Toluene-D8 (SUR)	100%		85-120%
460-00-4	4-Bromofluorobenzene (SUR)	95%		74-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@491834 08:27 16-Mar-2009

Report of Analysis

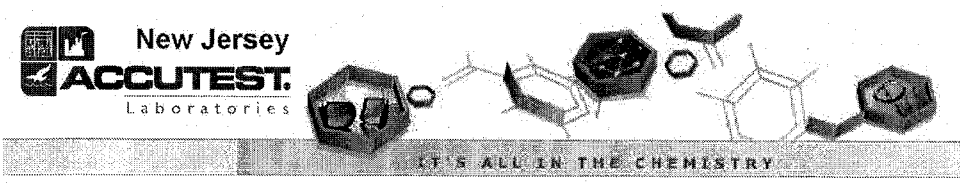
Client Sample ID:	EFF0209		
Lab Sample ID:	JA12476-1	Date Sampled:	02/19/09
Matrix:	AQ - Effluent	Date Received:	02/19/09
		Percent Solids:	n/a
Project:	City of Clifton, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Cadmium	< 3.0	3.0	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Copper	< 10	10	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Lead	< 3.0	3.0	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Mercury	< 0.20	0.20	ug/l	1	03/10/09	03/11/09	JW	EPA 245.1 [2]	EPA 245.1 [4]
Nickel	< 10	10	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Zinc	< 20	20	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]

(1) Instrument QC Batch: MA22185
(2) Instrument QC Batch: MA22256
(3) Prep QC Batch: MP47300
(4) Prep QC Batch: MP47433

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA12476 **Client:** _____ **Immediate Client Services Action Required:** No

Date / Time Received: 2/19/2009 **Delivery Method:** _____ **Client Service Action Required at Login:** No

Project: _____ **No. Coolers:** 1 **Airbill #'s:** _____

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	Infared gun
3. Cooler media:	Ice (bag)

Quality Control Preservatio	Y or N
1. Trip Blank present / cooler:	☑ ☐
2. Trip Blank listed on COC:	☑ ☐
3. Samples preserved properly:	☑ ☐
4. VOCs headspace free:	☐ ☐

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N
1. Analysis requested is clear:	☑ ☐
2. Bottles received for unspecified tests	☐ ☑
3. Sufficient volume recvd for analysis:	☑ ☐
4. Compositing instructions clear:	☐ ☐
5. Filtering instructions clear:	☐ ☐

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA12476: Chain of Custody
Page 2 of 2

ACCUTEST Laboratories

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JA12476

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: Matrix New World	Project Name: Clifton DPW	Company Name:
Street Address: 120 Eagle Rock Ave, Ste 207	Street: East 7th Street	Street Address:
City, State, Zip: East Hanover, NJ 07936	City, State: Clifton NJ	City, State, Zip: SAME
Project Contact: Tom Demichele	Project #: 08-404E-4	
Phone #: 973 240 1800	Client Purchase Order #:	
Sampler(s) Name(s): JRP	Project Manager: Russ Baer	Attention:

Requested Analysis (see TEST CODE sheet): PHC (1664), TVO (624), BOD, Cd, Cu, Pb, Hg, Ni, Zn (200.8)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PHC (1664)	TVO (624)	BOD	Cd, Cu, Pb, Hg, Ni, Zn (200.8)	LAB USE ONLY
1	EFF0209		2-19-09	1530	JRP	GW	11	X								X	X	X	X	HC12, WC22, AMET3, 2147

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days)
- [X] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [X] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	2-19-09 / 1600	1 Robin Temp 2-19-9 @ 1600	2 Robin Temp	2-19-9 17:25	2 [signature]
3		3	4		4
5		5	Custody Seal # N/A	Intact / Not intact	Preserved where applicable; On Ice; Cooler Temp. 2.6°C

JA12476: Chain of Custody
Page 1 of 2

AW6ie

FROM :

FAX NO. :

Mar. 20 2009 11:27AM P2

RECEIVED
MAR 20 2009

PRETREATMENT MONITORING REPORT

NAME: City of Clifton, DPW Facility

MAILING ADDRESS: 900 Clifton Avenue, Clifton, New Jersey 07013

FACILITY LOCATION: DPW Facility, East 7th Street

CATEGORY & SUBPART: OUTLET #: 001

CONTACT OFFICIAL: James Yellen, P.E. TELEPHONE: 973-470-6793

NEW CUSTOMER ID / OUTLET ID: 03630001-1 OLD OUTLET DESIGNATION:

MONITORING PERIOD

Start			End		
02	01	2009	02	28	2009
MO	DAY	YR	MO	DAY	YR

	Average	Maximum
Regulated Flow-gal/day		
Total Flow-gal/day	730	730

FAXED

Method Used: Totalizing flow meter readings / 32 working days.
Average = 23,350 gallons in 32 working days = 730 gal/day

Production Rate (if applicable)

PARAMETER		MASS OR CONCENTRATION			# OF SAMPLES	SAMPLE TYPE
		MON AVG	MAXIMUM	UNITS		COMP/GRAB
Cd	Sample Measurement	< 0.003	<0.003	Mg/l	1	Comp
	Permit Requirement	0.19		Mg/l		
Cu	Sample Measurement	< 0.010	< 0.010	Mg/l	1	Comp
	Permit Requirement	1.02		Mg/l		
Pb	Sample Measurement	< 0.003	< 0.003	Mg/l	1	Comp
	Permit Requirement	0.54		Mg/l		
Hg	Sample Measurement	< 0.0002	< 0.0002	Mg/l	1	Comp
	Permit Requirement	0.080		Mg/l		
Ni	Sample Measurement	< 0.010	< 0.010	Mg/l	1	Comp
	Permit Requirement	5.9		Mg/l		
Zn	Sample Measurement	< 0.020	< 0.020	Mg/l	1	Comp
	Permit Requirement	1.67		Mg/l		
SGT-HEM	Sample Measurement	< 5.1	< 5.1	Mg/l	1	Grab
	Permit Requirement	100		Mg/l		
TVOC	Sample Measurement	0.020	0.020	Mg/l	1	Grab
	Permit Requirement					
BOD	Sample Measurement	2.6	2.6	Mg/l	1	Comp
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					

PVSC FORM MR-I REV: 4 6/87 P 1

Accutest LabLink@491834 08:27 16-Mar-2009

Report of Analysis

Client Sample ID:	EFF0209	**Date Sampled:**	02/19/09
Lab Sample ID:	JA12476-1	**Date Received:**	02/19/09
Matrix:	AQ - Effluent	**Percent Solids:**	n/a
Method:	EPA 624		
Project:	City of Clifton, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T130224.D	1	02/26/09	YCB	n/a	n/a	VT5046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.0	ug/l	
107-13-1	Acrylonitrile	ND	10	0.85	ug/l	
542-88-1	Bis(chloromethyl)ether	IND			ug/l	
71-43-2	Benzene	4.7	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND	1.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	8.4	1.0	0.13	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	0.21	1.0	0.094	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.17	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.17	ug/l	
95-50-1	1,2-Dichlorobenzene	0.21	1.0	0.14	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	1.1	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.91	ug/l	
75-34-3	1,1-Dichloroethane	0.20	1.0	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	1.3	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.17	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.84	1.0	0.15	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	55	ug/l	
100-41-4	Ethylbenzene	0.30	1.0	0.23	ug/l	J
151-56-4	Ethylenimine	IND			ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@491834 08:27 16-Mar-2009

Report of Analysis

Client Sample ID:	EFF0209		
Lab Sample ID:	JA12476-1	**Date Sampled:**	02/19/09
Matrix:	AQ - Effluent	**Date Received:**	02/19/09
Method:	EPA 624	**Percent Solids:**	n/a
Project:	City of Clifton, NJ		

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	1.0	0.58	ug/l	
108-88-3	Toluene	0.34	1.0	0.20	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.15	ug/l	
79-01-6	Trichloroethene	0.78	1.0	0.45	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.44	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/l	
1330-20-7	Xylenes (total)	2.2	1.0	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	107%		62-139%
2037-26-5	Toluene-D8 (SUR)	100%		85-120%
460-00-4	4-Bromofluorobenzene (SUR)	95%		74-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@491834 08:27 16-Mar-2009

Report of Analysis

Client Sample ID:	EFF0209		
Lab Sample ID:	JA12476-1	**Date Sampled:**	02/19/09
Matrix:	AQ - Effluent	**Date Received:**	02/19/09
		Percent Solids:	n/a
Project:	City of Clifton, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Cadmium	<3.0	3.0	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Copper	<10	10	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Lead	<3.0	3.0	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Mercury	<0.20	0.20	ug/l	1	03/10/09	03/11/09	JW	EPA 245.1 [2]	EPA 245.1 [4]
Nickel	<10	10	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]
Zinc	<20	20	ug/l	1	02/23/09	02/24/09	JF	EPA 200.7 [1]	EPA 200.7 [3]

(1) Instrument QC Batch: MA22185
(2) Instrument QC Batch: MA22256
(3) Prep QC Batch: MP47300
(4) Prep QC Batch: MP47433

RL = Reporting Limit